

IN THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following

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complete list of claims. Insertions are indicated by underlining and deletions are indicated by strikeouts and/or double bracketing.

4/15/07 1-156. (Cancelled).

157. (Currently Amended) A system as in claim 174 163, further comprising means for controlling the temperature of the chamber to maintain a temperature suitable for cultivating cells to generate the protein resulting from interaction of the cells with oxygen and/or nutrients and/or other components.
158. (Currently Amended) A system as in claim 174 163, the chamber having a volume of less than about 100 microliters.
159. (Previously Presented) A system as in claim 158, the chamber having a volume of less than about 10 microliters.
160. (Previously Presented) A system as in claim 159, the chamber having a volume of less than about 1 microliter.
161. (Currently Amended) A system as in claim 174 163, further comprising a mixing unit fluidly connectable to the inlet of the chamber, the mixing unit including an outlet connectable to the inlet of the reaction chamber, a plurality of inlets each in fluid communication with the outlet and a mixing chamber between plurality of inlets and of the outlet.
162. (Previously Presented) A system as in claim 161, wherein the mixing unit chamber is free of active mixing elements.